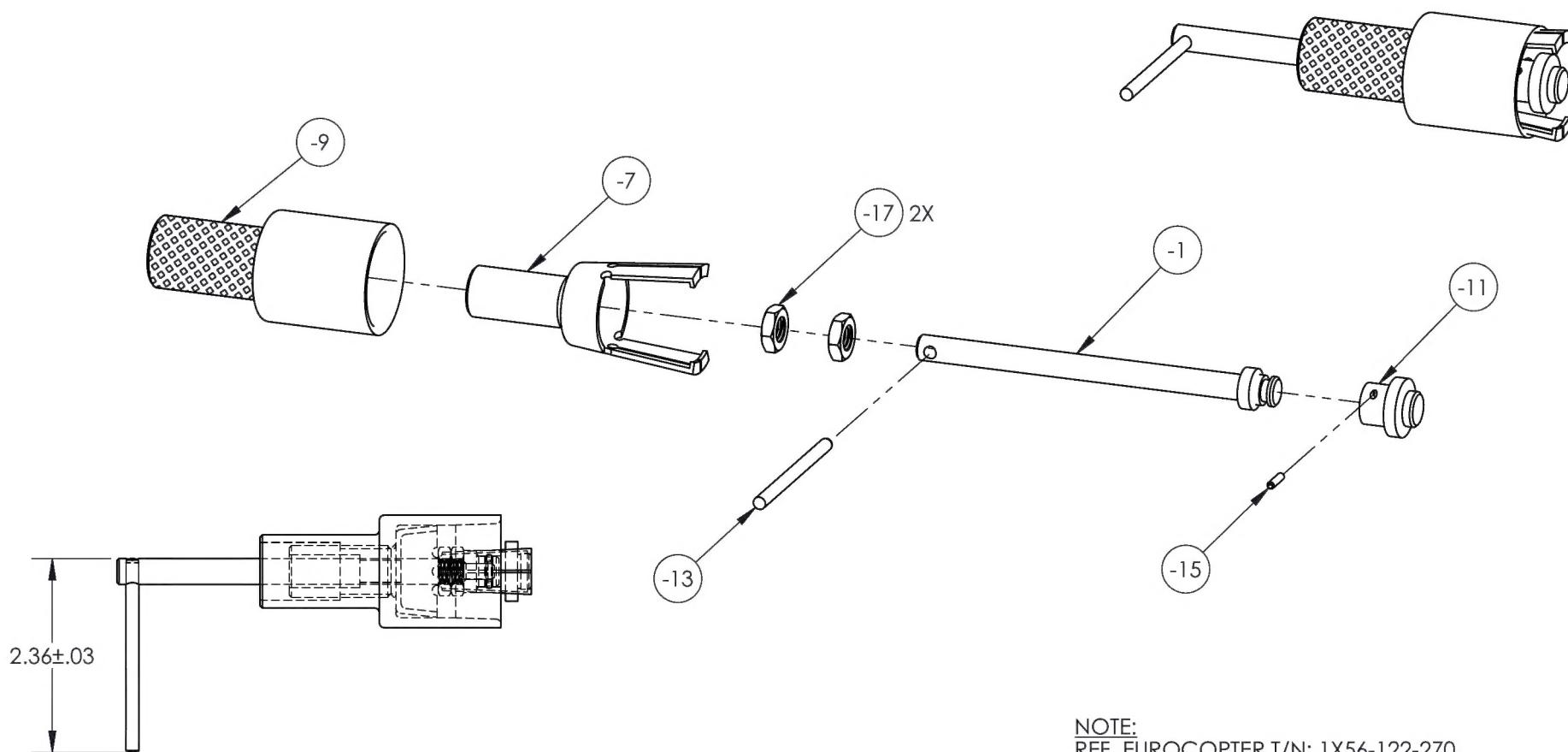


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| REV | | ECR | | DESCRIPTION | | DATE | INITIAL | APPROVED |
|-----|--|-----|--|--------------------------|--|-----------|---------|----------|
| 1 | | | | RELEASED FOR PRODUCTION. | | 9/19/2016 | DPD | JAG |



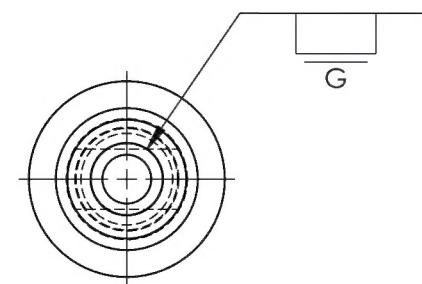
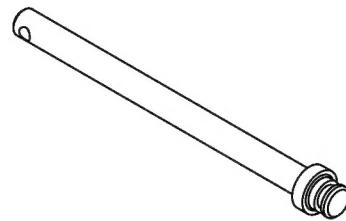
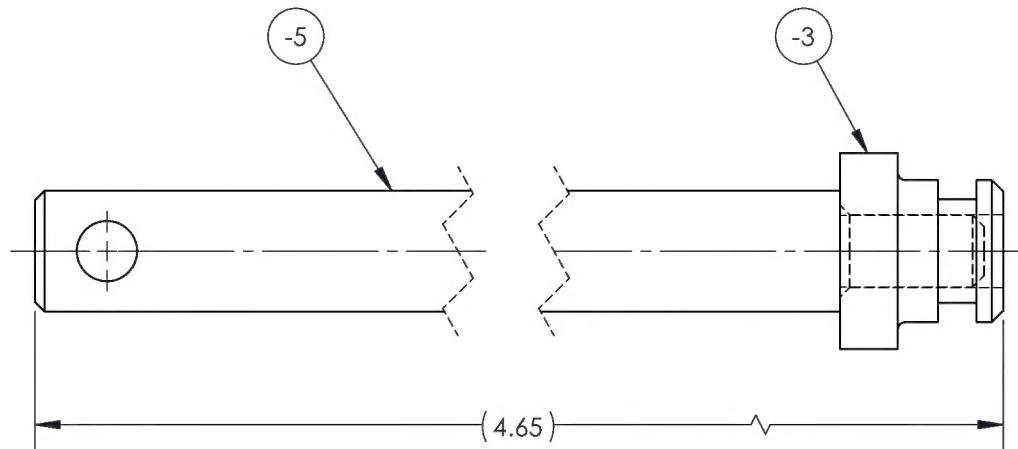
NOTE:
REF. EUROCOPTER T/N: 1X56-122-270.

| ASSY QTY | ASSY QTY | B/O | Part # | UNIT QTY | Description | Material | B/O INFORMATION OR SPECIFICATIONS | PG. |
|----------|----------|-----|--------|----------|-----------------------|-----------|---|-----|
| | X | | -1 | 1 | THREADED ROD WELDMENT | | | 2 |
| 1 | | | -3 | | THREADED ROD END | 4140/4142 | | 3 |
| 1 | | | -5 | | THREADED ROD | STEEL | M8 X 1.25mm, CLASS 10.9 (MCMASTER-CARR #1078N12) MODIFIED | 4 |
| | | | -7 | 1 | COLLET | S7 | | 5 |
| | | | -9 | 1 | CLAMP | 4140/4142 | | 6 |
| | | | -11 | 1 | ROTATING END | 4140/4142 | | 7 |
| | B/O | -13 | 1 | | DOWEL PIN | STEEL | M4 X 60mm (MCMASTER-CARR #91595A192) | 1 |
| | B/O | -15 | 1 | | SPRING PIN | S.S. | M2 X 10mm (MCMASTER-CARR #91610A205) | 1 |
| | B/O | -17 | 2 | | THIN HEX NUT | STEEL | M8 X 1.25mm (MCMASTER-CARR #90695A040) | 1 |
| | B/O | -19 | 1 | | PISTOL CASE | PLASTIC | (RSR GROUP #10137) | N/S |
| ASSY -1 | | | | | | | | |

| | | | | | |
|-----------------|--|-----------|--------------|--|--|
| TITLE | | DART | | | |
| | | AEROSPACE | | | |
| DWG NO. | | PULLER | | | |
| RBE1X56-122-270 | | REV 1 | | | |
| MAT'L | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES | | | | |
| HEAT TREAT | .XXX ± .005 FRACTIONS ± 1/8 | | | | |
| FINISH | .XX ± .01 ANGLES ± 5° | | | | |
| SPEC | X ± .1 SURFACES = 125 ✓ | | | | |
| DRAWN BY: | DUERFELDT | | | | |
| CHECKED: | CLOUGH | | | | |
| OPPS APPR: | ANDERSON | | | | |
| QA APPR: | LINDSAY | | | | |
| APPROVED: | GILBERT | | | | |
| SCALE | 1:2 | DATE | 7/12/2016 | | |
| | | | SHEET 1 OF 7 | | |

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|-----|-----|-----------|-------------|------|---------|----------|
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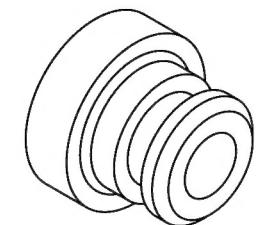
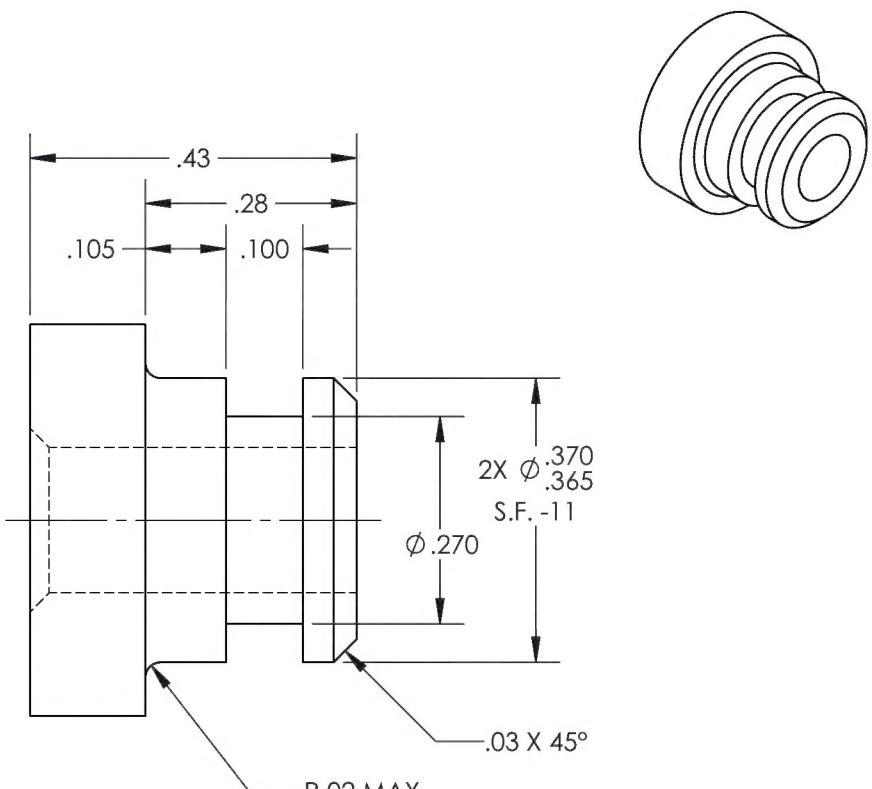
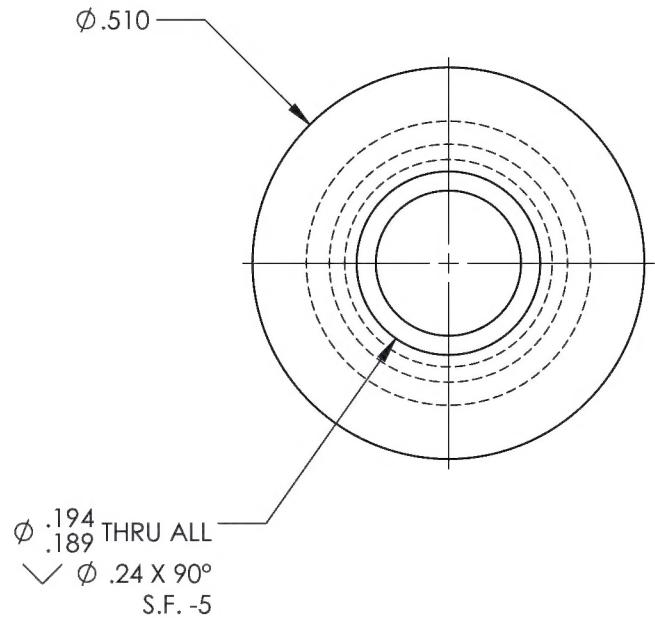
(-1)

THREADED ROD WELDMENT

| DART AEROSPACE | |
|---|-----------|
| TITLE | |
| PULLER | |
| DWG NO. RBE1X56-122-270-1 REV 1 | |
| MATERIAL | |
| HEAT TREAT | |
| FINISH BLACK OXIDE | |
| SPEC QMSI-6.2.2, B.O. REV D | |
| DRAWN BY: | DUERFELDT |
| CHECKED: | CLOUGH |
| OPPS APPR: | ANDERSON |
| QA APPR: | LINDSAY |
| APPROVED: | GILBERT |
| SCALE | 2:1 |
| DATE | 7/12/2016 |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .010 FRACTIONS ± 1/8 .XX ± .03 ANGLES ± 1° .X ± .1 SURFACES = 125 ✓ 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 USED ON MODEL EC145 | |
| SCALE 2:1 DATE 7/12/2016 SHEET 2 OF 7 | |

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|-----|--|-----|--|-------------|--|------|---------|----------|
|-----|--|-----|--|-------------|--|------|---------|----------|



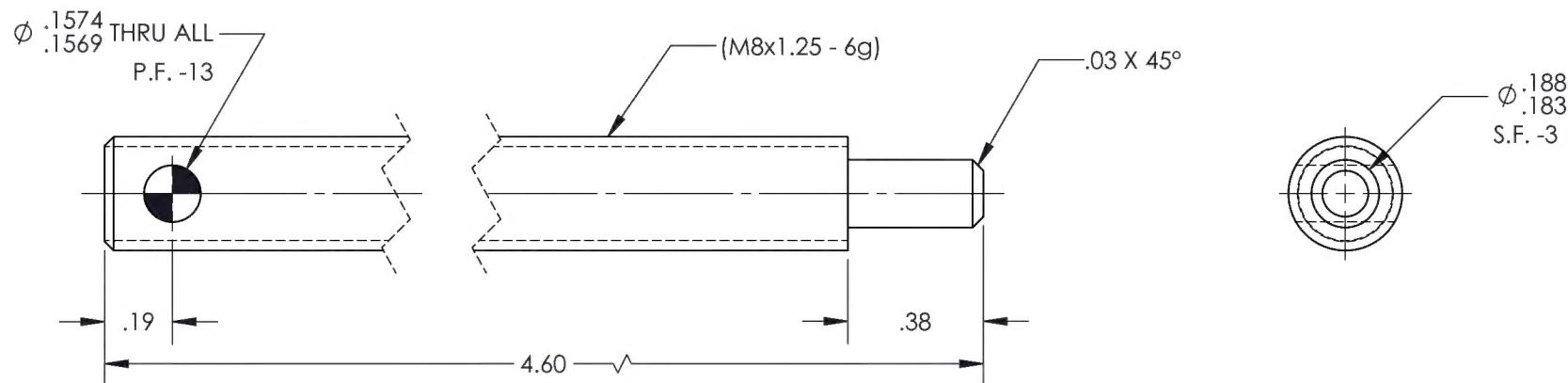
(3)

THREADED ROD END

| | |
|---|------------------------------|
|  | |
| TITLE | |
| PULLER | |
| DWG NO. | RBE1X56-122-270-3 |
| REV | 1 |
| MAT'L | 4140/4142 |
| HEAT | UNLESS OTHERWISE SPECIFIED |
| TREAT | DIMENSIONS ARE IN INCHES |
| FINISH SEE -1 | .XXX ± .005 FRACTIONS ± 1/8 |
| SPEC | .XX ± .01 ANGLES ± 5° |
| DRAWN BY: | .X ± .1 SURFACES = 125 |
| CHECKED: | 1. BREAK ALL SHARP EDGES |
| OPPS APPR: | .015 x 45° OR .015R |
| QA APPR: | 2. DIMENSIONAL LIMITS APPLY |
| APPROVED: | AFTER PLATING |
| | 3. INTERPRET DIM AND TOL PER |
| | ASME Y14.5M-2009 |
| | USED ON MODEL |
| SCALE | 4:1 |
| DATE | 7/12/2016 |
| | SHEET 3 OF 7 |

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| REV | ECR | REVISIONS | | |
|-----|-----|-------------|------|----------|
| | | DESCRIPTION | DATE | INITIAL |
| | | | | APPROVED |



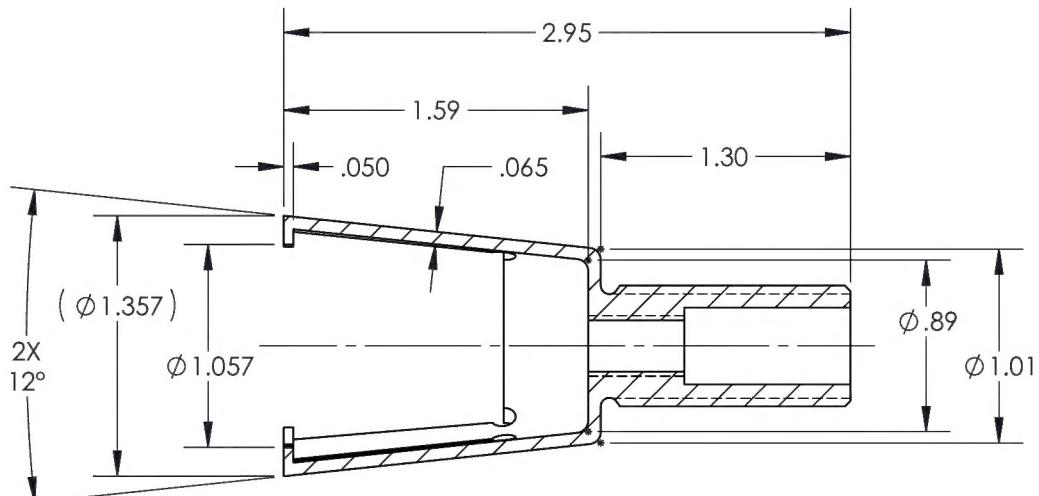
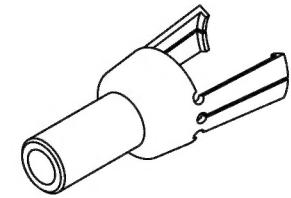
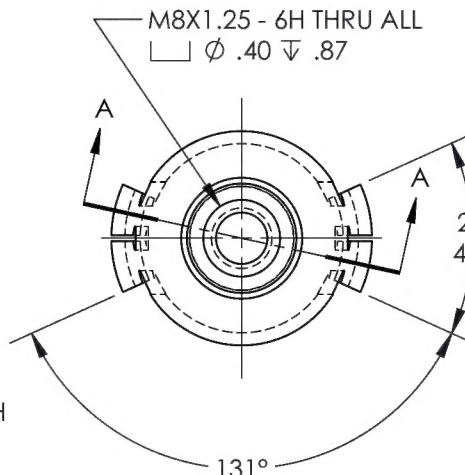
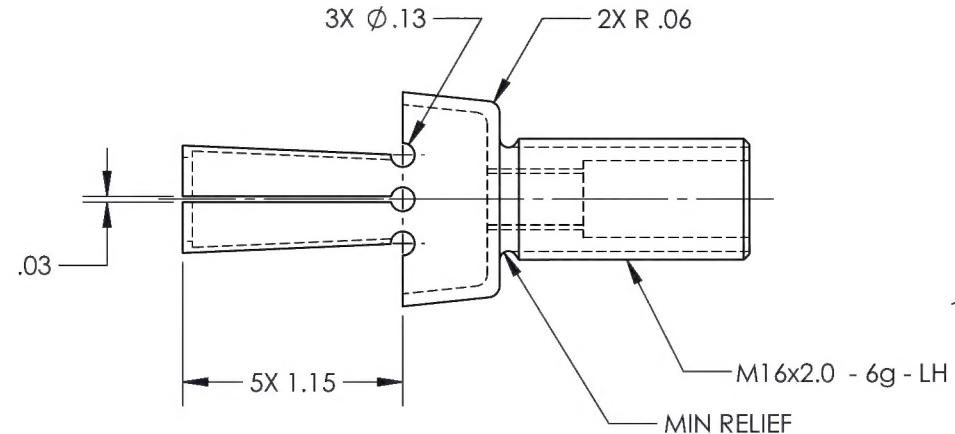
THREADED ROD

(-5)

| | |
|---|-----------|
|  | |
| TITLE | |
| DWG NO. | PULLER |
| RBE1X56-122-270-5 | |
| REV | 1 |
| MAT'L STEEL HEAT TREAT FINISH SEE -1 SPEC | |
| UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° X ± .1 SURFACES = 125 ✓ | |
| DRAWN BY: | DUERFELDT |
| CHECKED: | CLOUGH |
| OPPS APPR: | ANDERSON |
| QA APPR: | LINDSAY |
| APPROVED: | GILBERT |
| USED ON MODEL | |
| EC145 | |
| SCALE | 2:1 |
| DATE | 7/12/2016 |
| SHEET 4 OF 7 | |

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|-----|-----|-----------|-------------|------|---------|----------|



SECTION A-A

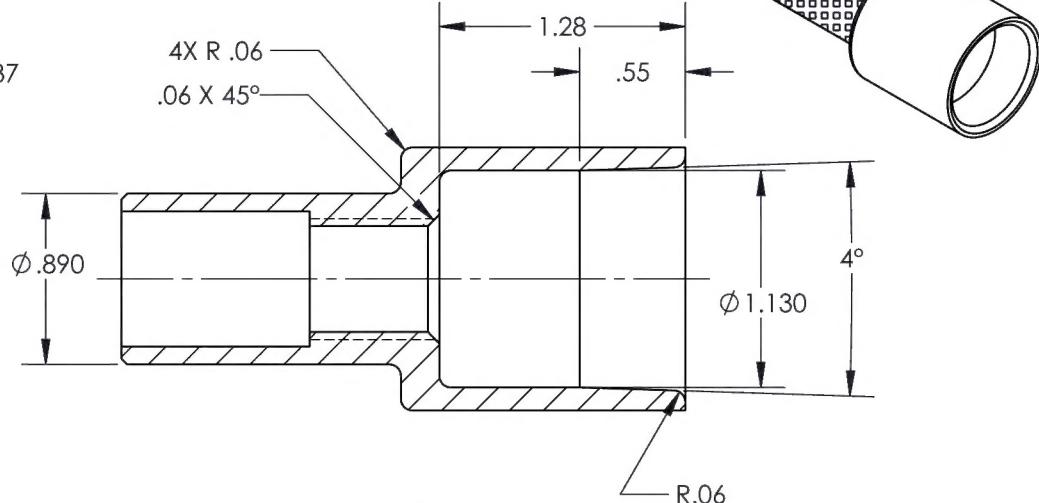
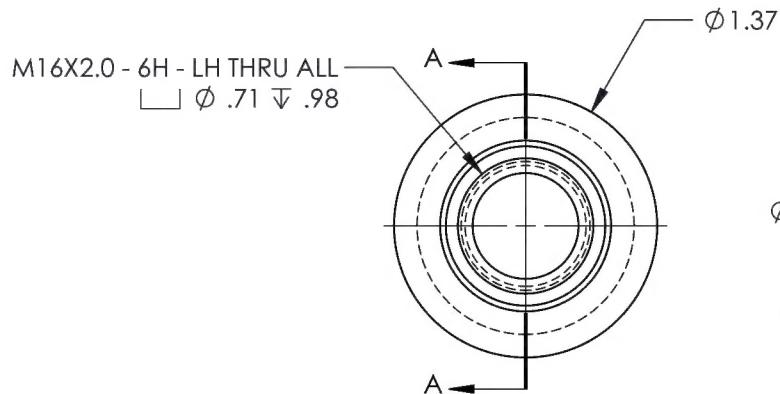
(-7)

COLLET

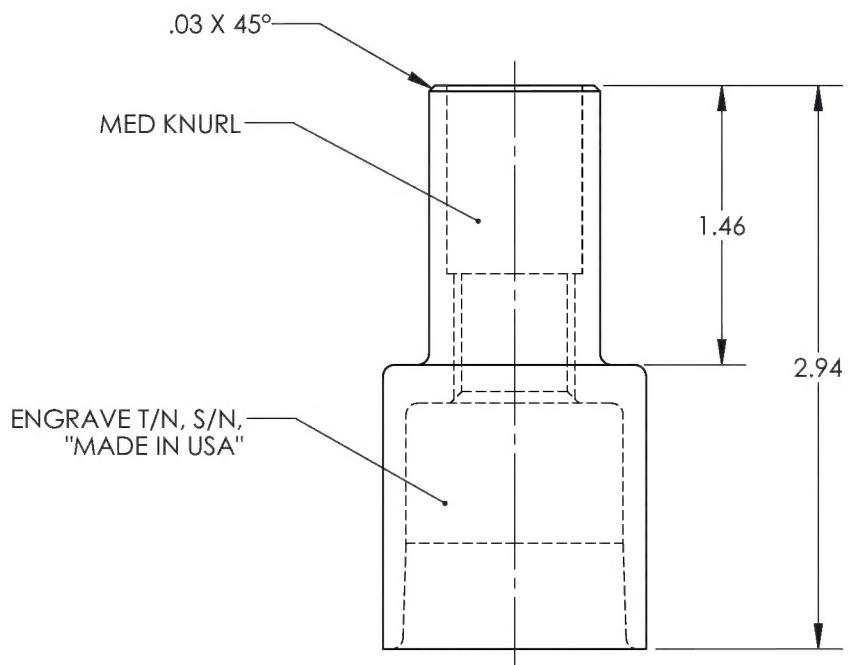
| DART AEROSPACE | |
|--|----------------|
| TITLE | |
| PULLER | |
| DWG NO. RBE1X56-122-270-7 | |
| REV 1 | |
| <p>MAT'L S7</p> <p>HEAT RC 45-52</p> <p>TREAT</p> <p>FINISH BLACK OXIDE</p> <p>SPEC QMSI-6.2.2, B.O. REV D</p> <p>DRAWN BY: DUERFELDT</p> <p>CHECKED: CLOUGH</p> <p>OPPS APPR: ANDERSON</p> <p>QA APPR: LINDSAY</p> <p>APPROVED: GILBERT</p> | |
| <p>UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX ± .005 FRACTIONS ± 1/8 .XX ± .01 ANGLES ± 5° X ± .1 SURFACES = 125 ✓</p> <p>1. BREAK ALL SHARP EDGES .015 x 45° OR .015R 2. DIMENSIONAL LIMITS APPLY AFTER PLATING 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009</p> <p>USED ON MODEL</p> <p>EC145</p> | |
| SCALE 1:1 | DATE 7/12/2016 |
| SHEET 5 OF 7 | |

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| REV | ECR | REVISIONS | | |
|-----|-----|-------------|------|---------|
| | | DESCRIPTION | DATE | INITIAL |



SECTION A-A



CLAMP

(-9)

| | |
|---|------------------------|
|  | |
| TITLE | |
| PULLER | |
| DWG NO. | RBE1X56-122-270-9 |
| REV | 1 |
| MATERIAL 4140/4142 | |
| HEAT | RC 55-60 |
| TREAT | |
| FINISH | BLACK OXIDE |
| SPEC | QMSI-6.2.2, B.O. REV D |
| DRAWN BY: | DUERFELDT |
| CHECKED: | CLOUGH |
| OPPS APPR: | ANDERSON |
| QA APPR: | LINDSAY |
| APPROVED: | GILBERT |
| USED ON MODEL | |
| EC145 | |
| SCALE | 1:1 |
| DATE | 7/12/2016 |
| SHEET 6 OF 7 | |

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES
.XXX ± .005 FRACTIONS ± 1/8
.XX ± .01 ANGLES ± 5°
X ± .1 SURFACES = 125

1. BREAK ALL SHARP EDGES
.015 x 45° OR .015R

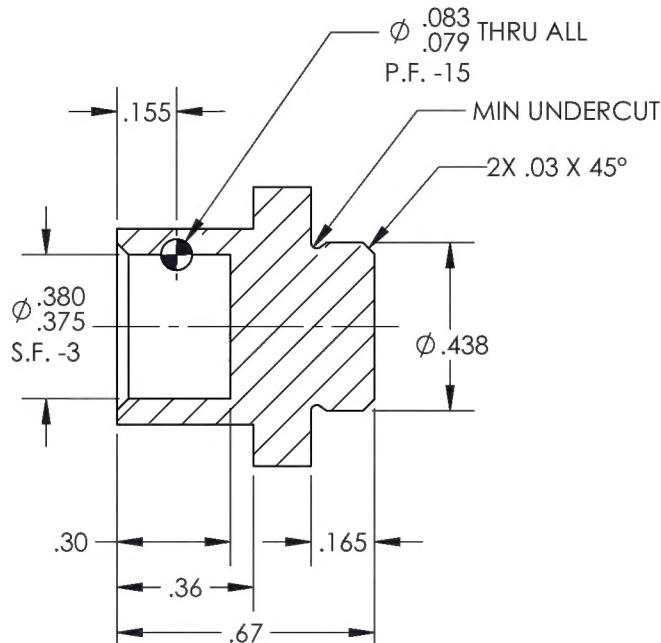
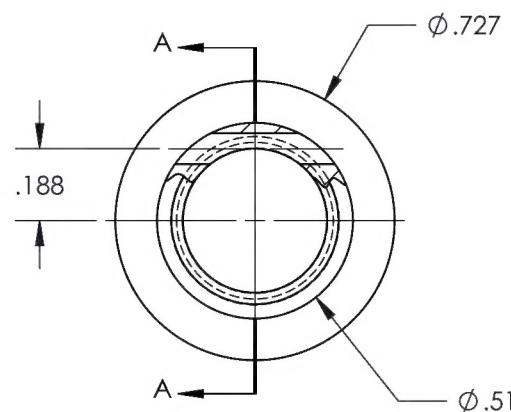
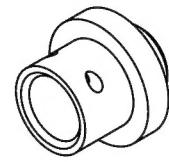
2. DIMENSIONAL LIMITS APPLY
AFTER PLATING

3. INTERPRET DIM AND TOL PER
ASME Y14.5M-2009

USED ON MODEL

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| REVISIONS | | | | | | |
|-----------|-----|-------------|--|--|------|---------|
| REV | ECR | DESCRIPTION | | | DATE | INITIAL |



SECTION A-A



ROTATING END

|  PULLER | | | |
|---|-----|---|-----------|
| TITLE | | | |
| DWG NO. RBE1X56-122-270-11 REV 1 | | | |
| MAT'L 4140/4142 HEAT RC 28-34 TREAT FINISH BLACK OXIDE SPEC QMSI-6.2.2, B.O. REV D | | UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES .XXX \pm .005 FRACTIONS \pm 1/8 XX \pm .01 ANGLES \pm .5° X \pm .1 SURFACES = 125 | |
| DRAWN BY: DUERFELDT | | 1. BREAK ALL SHARP EDGES .015 x 45° OR .015R | |
| CHECKED: CLOUGH | | 2. DIMENSIONAL LIMITS APPLY AFTER PLATING | |
| OPPS APPR: ANDERSON | | 3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009 | |
| QA APPR: LINDSAY | | USED ON MODEL | |
| APPROVED: GILBERT | | EC145 | |
| SCALE | 2:1 | DATE | 7/12/2016 |
| | | SHEET 7 OF 7 | |